**Skyscrapers & Midtown Development:**

**New Peaks in Tall Manhattans Range**

*-It is 1,030 feet high.*

*-The Great Pyramid stands 450 feet high; the Eiffel Tower stands with an official height of 984 feet.*

*-New York put its mark by building a box like mass of the Park Row for the highest office of cupolas or pepper pots on top reaching up to 390 feet.*

*-Before that the World’s gilded dome reigned supreme at 375 feet.*

*-Already the spire of the Cologne Cathedral had gone the Egyptians 65 feet better and the Washington Monument had them beaten by 105 feet; office building still lagged behind.*

*-The Chrysler Building’s new architecture that hedged about the Grand Central Station is almost matched by the Bank of Manhattan Company as well as the Woolworth Tower.*

*-Is even higher than the Eiffel Tower and its view go further than the buildings from which it stands supreme.*

*-The Bank of Manhattan Company falls short of its immediate rival by 105 feet (according to the official figures.)*

*-Woolworth tower is left all of 133 feet below.*

*-The Bank of Manhattan Company is so old on institution in New York that the new Building actually becomes an enduring monument to the ancient fatal feud between Alexander Hamilton and Aaron Burr.*

*-Burr: founded the bank in the innocent guise of a water company because of a character in the regular way.*

*-Woolworth Building ruled the sky for nearly a quarter of a century.*

*-The old and new buildings are going to remake New York City’s image. They are the very sharp points making the “humps” of NY.*

*-They can be seen from the Queensboro Bridge.*

*- ­A few months a got the ago the Waldorf stood so staid and solid; a building is on the way which had set its mark above 1,200 feet. The new building will be 200 feet higher.*

*-The old Lincoln Building is higher than a hundred feet high.*

*-The Brooklyn Bridged furnished the foreground and the contrast with the runner-p (for the time being) in the race of our towers.*

*-If the race itself is a competition in advertising, so, in a manner of speaking, has been all the competition in tall buildings from the time when Pharaohs vied with Pharaoh matching tomb against tomb, to the pious rivalry of the cathedral builders, each seeking to raise a pointed arch or a spire near to God.*

1. **Old Marbles before the construction of the Chrysler Building.**
   1. **The Great Pyramid stands 450 feet high**
   2. **The Eiffel Tower stands and official height of 984 feet.**
   3. **Before the World’s gilded dome reined supreme at 375 feet.**
   4. **Already the spire of the Cologne Cathedral had gone the Egyptians 65 feet better and the Washington Monument had them beaten by 105 feet; office building still lagged behind.**
   5. **­A few months a got the ago the Waldorf stood so staid and solid; a building is on the way which had set its mark above 1,200 feet. The new building will be 200 feet higher.**
   6. **The old Lincoln Building**
      1. **Is higher than a hundred feet high.**
2. **The Chrysler Building**
   1. **It is almost matched by the Bank of the Manhattan Company as well as the Woolworth Tower.**
   2. **Is even higher than the Eiffel Tower and its view go further than the buildings from which it stands supreme.**
   3. **The Bank of Manhattan Company falls short of its immediate rival by 105 feet (according to the official figures.)**
   4. **Woolworth Tower is left all of 133 feet below.**
      1. **Woolworth Building ruled the sky for nearly a quarter of a century.**
   5. **The Bank of Manhattan Company is so old on institution in New York that the new Building actually becomes an enduring monument to the ancient fatal feud between Alexander Hamilton and Aaron Burr.**
      1. **Burr: founded the bank in the innocent guise of a water company because of a character in the regular way.**
3. **Metaphors**
   1. **The new skyscrapers made N.Y. seem like the hump of a camel.**
      1. **They can be seen from the Queensboro Bridge.**
   2. **This was race to see who was able to build the Tower of Babble and get to heaven faster.**
   3. **Just like Pharaohs who at their time were able to build great buildings Americans could do the same thing.**
      1. **Pharaohs matched tombs against tombs.**
   4. **To the pious rivalry of the cathedral builders, each seeking to raise a pointed arch of a spore near to God.**

**The Miracle of Mounting Skyscrapers**

*-The Building is built in twentieth-century art that was made into the Tallest Building in the World.*

*-Materials: steel and bricks (Best thing man had to offer at that time.) Other materials have to be imported from within the country and possibly outside of it. Ex. Bathtubs may be from New Jersey; Pittsburg dealers may furnish the window glass; door trims may be ordered in northern Wisconsin; decorative marbles are required from the flanks of Italy’s mountains.*

*-Tower was designed while the stricter was being erected; promised to glow with colors- colors suggested by the sample of shining metal, glinting crystal and multi-colored terra-cotta in the architect’s office.*

*-Meaning: Beginning of the Skyscraper ‘Era.’*

*-The building was made by many signifying that it was to be the best of all. Some companies which have more resources than others.*

*-The builder has to be considerate about how much money is spent in the building.*

*-The land (given by the law and purchased by the money) in which the building was build restricted the ability of the building to be built much taller.*

*-The manufacturing of the building was made in precision in order for it to be built efficiently and without wasting time du to the great effort of the superintendent.*

*-Twenty-two caissons being used around the margin of the site.*

*- There is a high cost of real-estate in the lower part of Manhattan.*

*-Approximately $3,000,000 in retails interest charges and taxes might be saved; a brilliant engineering feat was put through last year on the foundation of the new building known as the 40 Wall Street Corporation, whose crystal head has risen above Woolworth tower.*

*-Before the wrecked applied their pick-axes to the roof of the old Manhattan Bank, forced to cede its place to the new giant, the excavators had entered its basements.*

*-Demolition of the Manhattan Bank ended with only few timbers and scattered bricks, but the footing that were to support the 110,000-ton steel structure of its successors were nearly ready.*

*-Some buildings have to be destroyed in order for new ones to be made. The soil of the building is full of mystery to those who excavate it.*

*-To prevent the sagging of thoroughfares and the setting of neighboring buildings engineers construct retaining walls and carry shallow foundations to lower depths.*

*-As soon as the steel frame goes above the ground, the basement floors concrete arch is started, so that it may serve to stiffen the frame and to take some of the pressure from the retaining walls.*

*-Sequence of Operations.*

*-As soon as the steel frame goes above the ground the ground, the basement floor concrete arch is started, so that it may serve to stiffen the frame and to take some of the pressure form the retaining walls.*

*-When the construction warrants, the arch of the first floor is installed to furnish driveway space and storage room, for the amassing and orderly disposition is materials is one of the essential factors in construction.*

*-For this reason and because the law requires it-work must begin on the floor arches as each tier of two floors of steel framing is set.*

*-1st the mast is used to raise the boom. Then the boom is turn, after it has been secured on the uppermost ridge of steel, pulls up the mast. (Man power is required)*

*-New methods of handling steel must be devised and more highly technical ways of dealing with it on the job must be planned.*

*-Only a few years ago a section of Times Square had to be roped off when the Paramount Theatre was the being built to permit the unobstructed passage of the colossal part of the steel trusses that span its auditorium, 120 feet in width.*

*-Specially heavy trusses on columns having tremendous supporting power-some are calculated to hold 1,000 tons each-are used to bridge large open spaces, palatial lobbies or spacious bank rooms, to carry the weight of the superstructure.*

*-The Chrysler Building is bout 1,000 feet high in the air.*

*-Spire and final combine are 150 feet tall.*

*-67 floors.*

*-The last of the derricks to stay in the job was used to fit piece to piece, and then solemnly bore the assembled spire up through the shaft, posed it over a square steel box, and with unwavering certainty lowered it until its base was caught and held.*

*- The rest of the story is one of rivets, bolts and fearless men.*

*-In the lower regions, where the functional organs of the structures are located, water mains are being connected, plumbers and steam fitters are laying and adjusting pipes and preparations are being made for the ventilating apparatus and then the complicated electrical system.*

*-The tide of action sweeps upward until the plasterer makes his entrance; he reverses the order and starts from the top down*

*-The day comes when the finishing touches are put on like the frills and furbelows on a woman, frock.*

*-The marble, so carefully studied in the architecture’s office, adorn the lobby and crystal or silvery metal is laid upon the soaring pinnacle of the shaft, as if it were a helmet placed upon the head of a knight about to enter the ranks of the new champions.*

1. **Materials used to build the Empire State Building**
   1. **Steel and brick; the best thing man had to offer at that time.**
   2. **Other materials had to be imported**
      1. **Bathtubs may be from New Jersey**
      2. **Pittsburg dealers may furnish the window glass**
      3. **Door trims may be ordered in northern Wisconsin**
      4. **Decorative marbles are required from the flanks of Italy’s mountains.**
2. **Meanings**
   1. **Beginning of the Skyscraper Era.**
   2. **It was going to be the best in the world.**
3. **Steps of the construction**
   1. **New methods of handling steel must be devised and more highly technical ways of dealing with it on the job must be planned.**
   2. **The tower was designed while the stricter was being erected**
      1. **It promised to glow with colors by the sample of the shining metal, glinting crystal and multi-colored terra-cotta in the architecture’s office.**
   3. **As soon as the steel frame goes above the ground, the basement floors concrete arch is started, so that it may serve to stiffen the frame and to take some of the pressure from the retaining walls.**
   4. **Sequence:**
      1. **As soon as the steel frame goes above the ground the ground, the basement floor concrete arch is started, so that it may serve to stiffen the frame and to take some of the pressure form the retaining walls.**
      2. **When the construction warrants, the arch of the first floor is installed to furnish driveway space and storage room, for the amassing and orderly disposition is materials is one of the essential factors in construction.**
         1. **For this reason and because the law requires it-work must begin on the floor arches as each tier of two floors of steel framing is set.**
      3. **1st the mast is used to raise the boom. Then the boom is turn, after it has been secured on the uppermost ridge of steel, pulls up the mast. (Man power is required)**
      4. **An American flag was placed at the end of the top of the building signifying the completion.**
4. **Construction Site**
   1. **Demolition of the Manhattan Bank ended with only few timbers and scattered bricks, but the footing that were to support the 110,000-ton steel structure of its successors were nearly ready.**
      1. **To prevent the sagging of thoroughfares and the setting of neighboring buildings engineers construct retaining walls and carry shallow foundations to lower depths.**
      2. **Some buildings have to be destroyed in order for new ones to be made. The soil of the building is full of mystery to those who excavate it.**
   2. **Twenty-two caissons being used around the margin of the site.**
   3. **There is a high cost of real-estate in the lower part of Manhattan.**
      1. **Approximately $3,000,000 in retails interest charges and taxes might be saved; a brilliant engineering feat was put through last year on the foundation of the new building known as the 40 Wall Street Corporation, whose crystal head has risen above Woolworth tower.**
   4. **Before the wrecked applied their pick-axes to the roof of the old Manhattan Bank, forced to cede its place to the new giant, the excavators had entered its basements.**

**Trade Area Grows in Mid Manhattan**

*-Empire State Building; (Fifth Avenue and Thirty forth Street) is eighty five stories high.*

*-It is a forward step on the development of a large business centre at that point in midtown Manhattan.*

*-It will serve to show the value of decentralizing business grouping, says Peter Grimm, President of the Real Estate Board of New York, in a discussion of the possible effects of New York’s tallest skyscraper on trade and realty activity.*

*-“The new building, combining utility and art, is a monument to the steady growth of New York,” Mr. Grimm states.” Besides fostering the expansion of the of the Fifth Avenue district of which it will be the hub it will serve other useful purposes.”*

*-The tendency to group too many great structures as Broad and Wall Streets and Madison Avenues has had an adverse affect on transportation the Empire State building will serve to drive some of this traffic to a new zone.*

*-Toronto has a twenty-nine-story building but abandoned the plan, its tallest building being only thirteen stories.*

*-America has the tallest edifices in the world:*

*-Madrid: An American built the tallest building. Now they are saying that they have created a ‘new highest’ building only 15 stories.*

*-Athens: has a 16 structure.*

*-Shanghal, China has a twenty-one-story structure.*

*-The installing of the first elevator was in 1850 when tall buildings were unknown.*

*-‘The elevator speed limit now is 700 feet per minute.’*

*-Owning to greatly improvements the law will be able to allow a speed of about 1,200 feet in a minute, and in several of the newest buildings the lift are built to run almost that fast.*

*-Empire State, it would seem, will be the world’s structural prodigy for a long tine to come because the probability of a higher building has not been demonstrated. Its tall mast stands as the sign of a great future office ‘building centre.’*

1. **The Empire State Building**
   1. **Tendency to group too many great structures as Broad and Wall Streets and Madison Avenues has had an adverse affect on transportation the Empire State building will serve to drive some of this traffic to a new zone.**
   2. **Empire State, it would seem, will be the world’s structural prodigy for a long tine to come because the probability of a higher building has not been demonstrated. Its tall mast stands as the sign of a great future office ‘building centre.’**
   3. **Made great changes in the Elevators system.**
      1. **‘The elevator speed limit now is 700 feet per minute.’**
         1. **Owning to greatly improvements the law will be able to allow a speed of about 1,200 feet in a minute, and in several of the newest buildings the lift are built to run almost that fast.**
   4. **Location: Fifth Avenue and Thirty forth street and it stands 85 stories high.**
      1. **It is a forward step on the development of a large business centre at that point in midtown Manhattan.**
      2. **Peter Grimm (President of the Real Estate Board of New York) Said in a discussion of the possible affects of New York’s tallest skyscrapers on trade and reality activity that it will serve to show the value of decentralizing business grouping.**
         1. **“The new building, combining utility and art, is a monument to the steady growth of New York,” Mr. Grimm states.” Besides fostering the expansion of the of the Fifth Avenue district of which it will be the hub it will serve other useful purposes.”**
2. **Greatest Structures Around the World**
   1. **Madrid: An American built the tallest building. Now they are saying that they have created a ‘new highest’ building only 15 stories.**
   2. **Toronto has a twenty-nine-story building but abandoned the plan, its tallest building being only thirteen stories**
   3. **Athens: has a 16 structure.**
   4. **Shanghal, China has a twenty-one-story structure.**